

FIG. 1 is a block diagram of a mobile communication system 10. The system 10 includes an AT 14, an IS-856 radio network 22, an IS-2000 radio network 28, an access network interfaces (IS-634/IS-2001) 26, a PDSN 24, and an MSC 30. The AT 14 is connected to the IS-856 radio network 22 and the IS-2000 radio network 28. The IS-856 radio network 22 is connected to the PDSN 24 via interfaces A10 and A11. The IS-2000 radio network 28 is connected to the MSC 30 via interfaces A1 and A2. The PDSN 24 is connected to a packet data network (Internet) 16. The MSC 30 is connected to a PSTN 20. The system 10 is also connected to a power source 10.

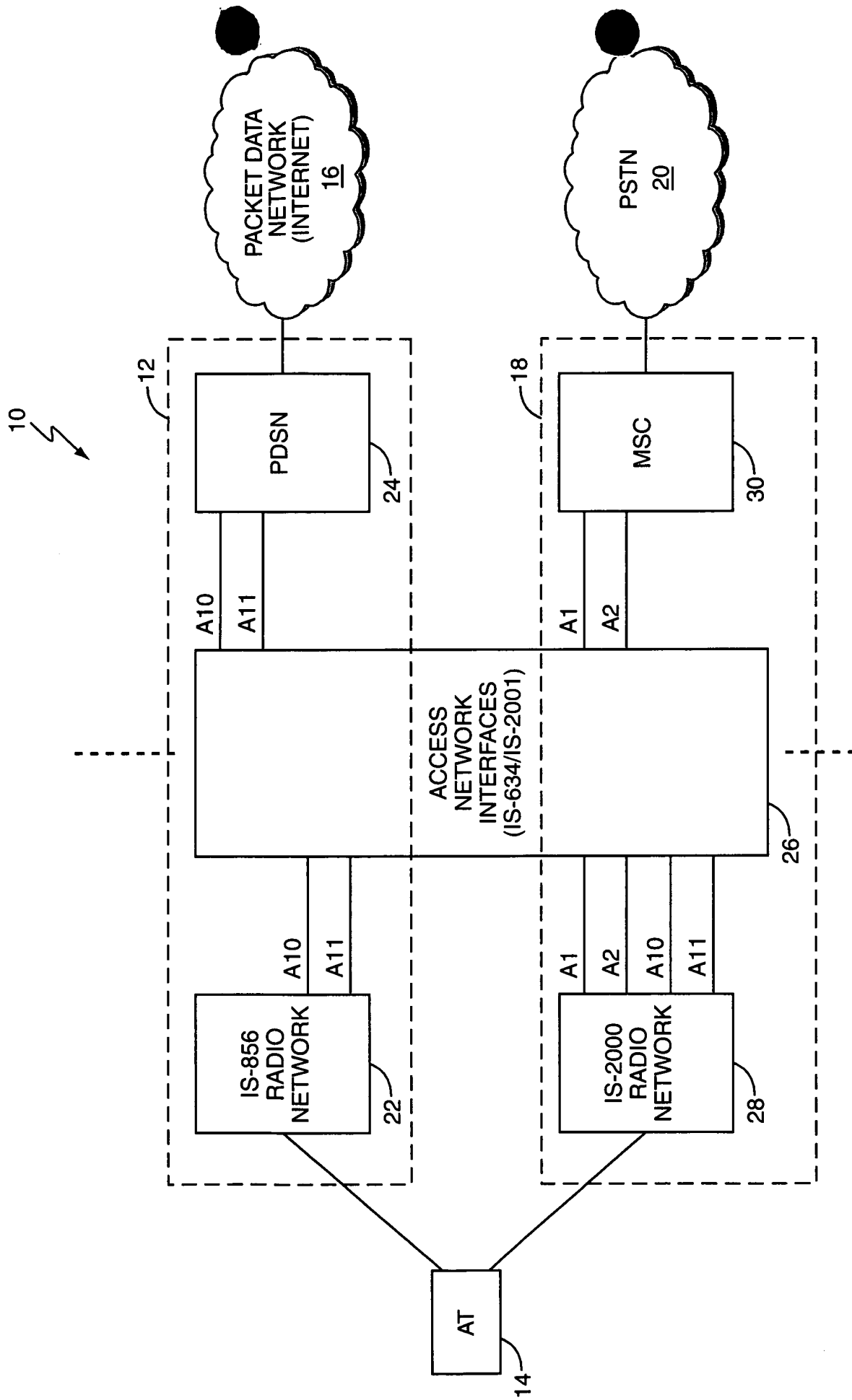


FIG. 1

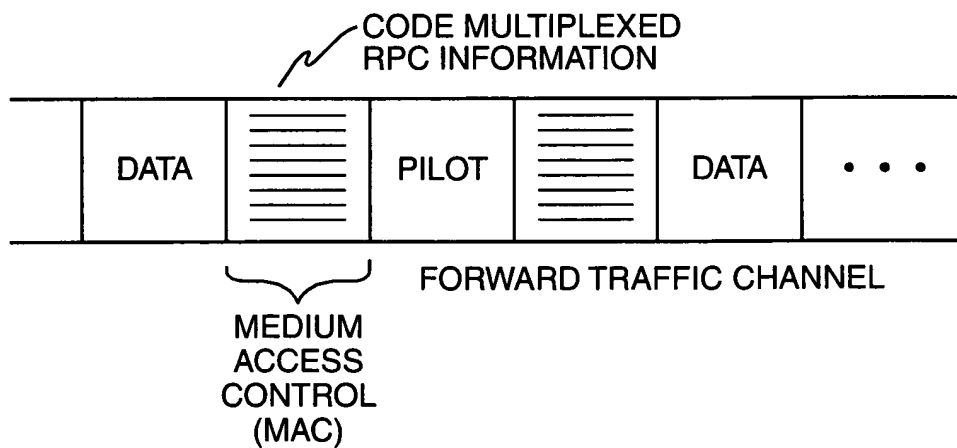
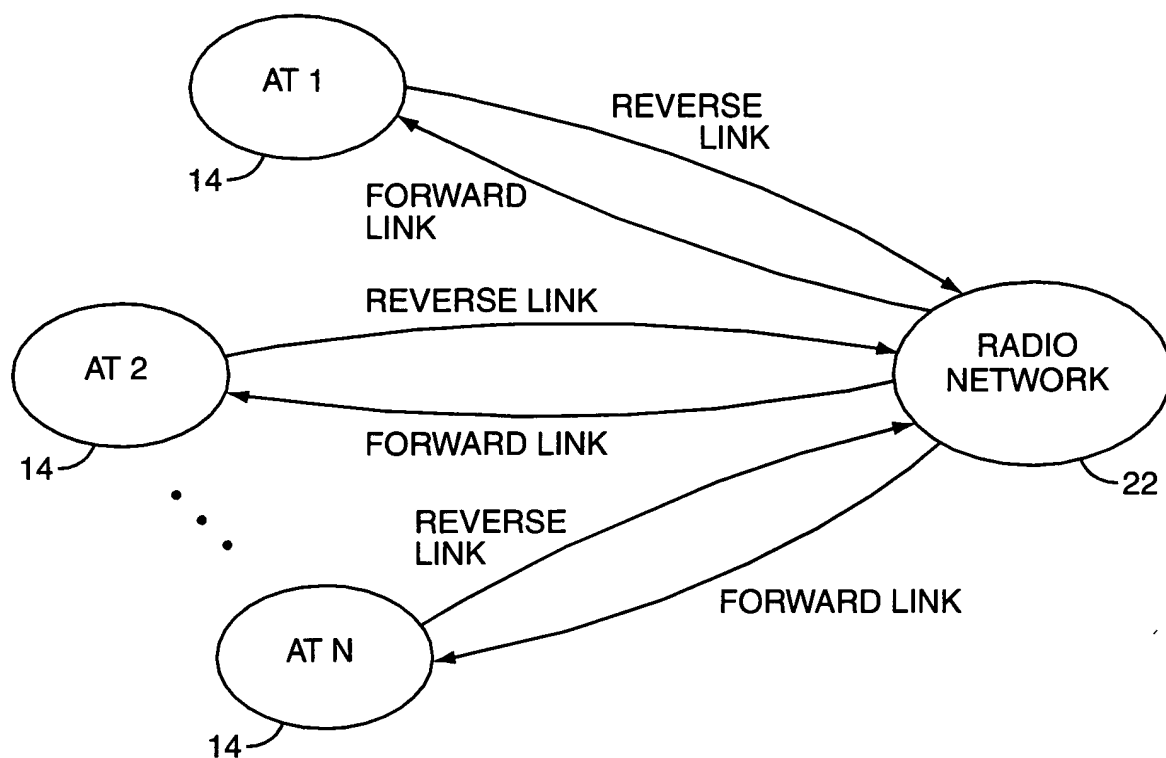


FIG. 2

FIG. 3 is a graph showing the relationship between the AT TX PWR and the BS NOISE FLOOR. The graph illustrates the power levels and the resulting communication failure point.

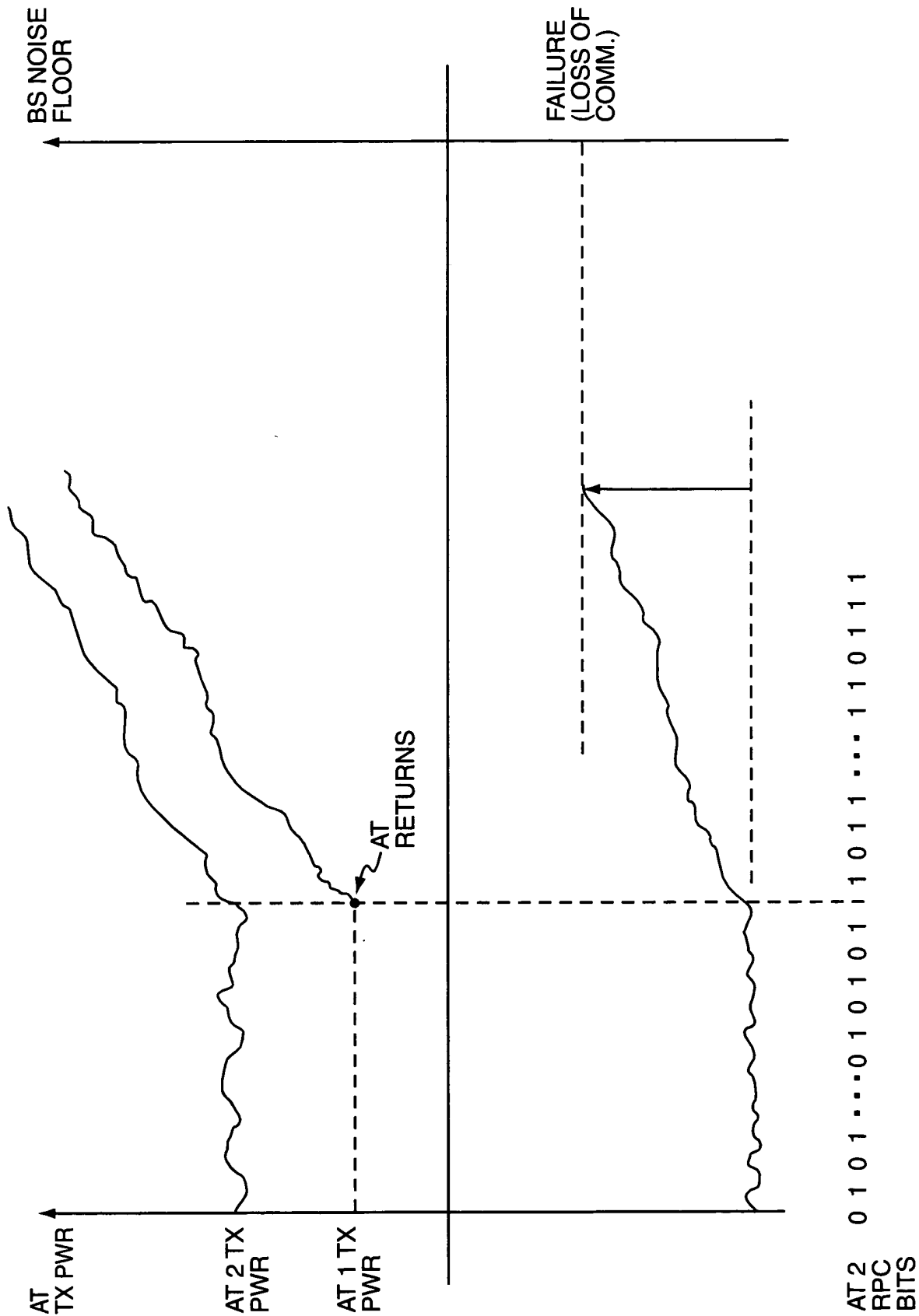
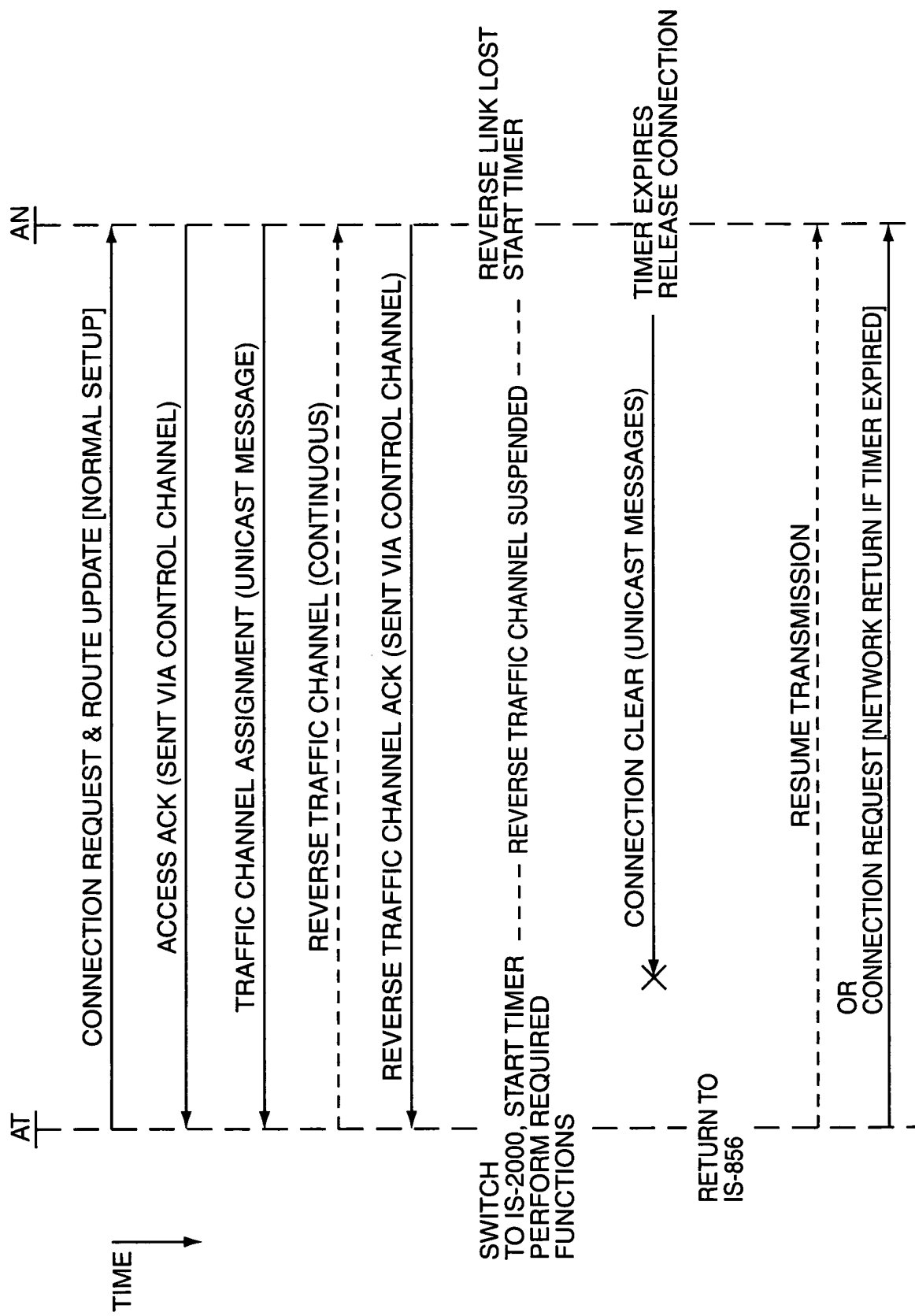


FIG. 3



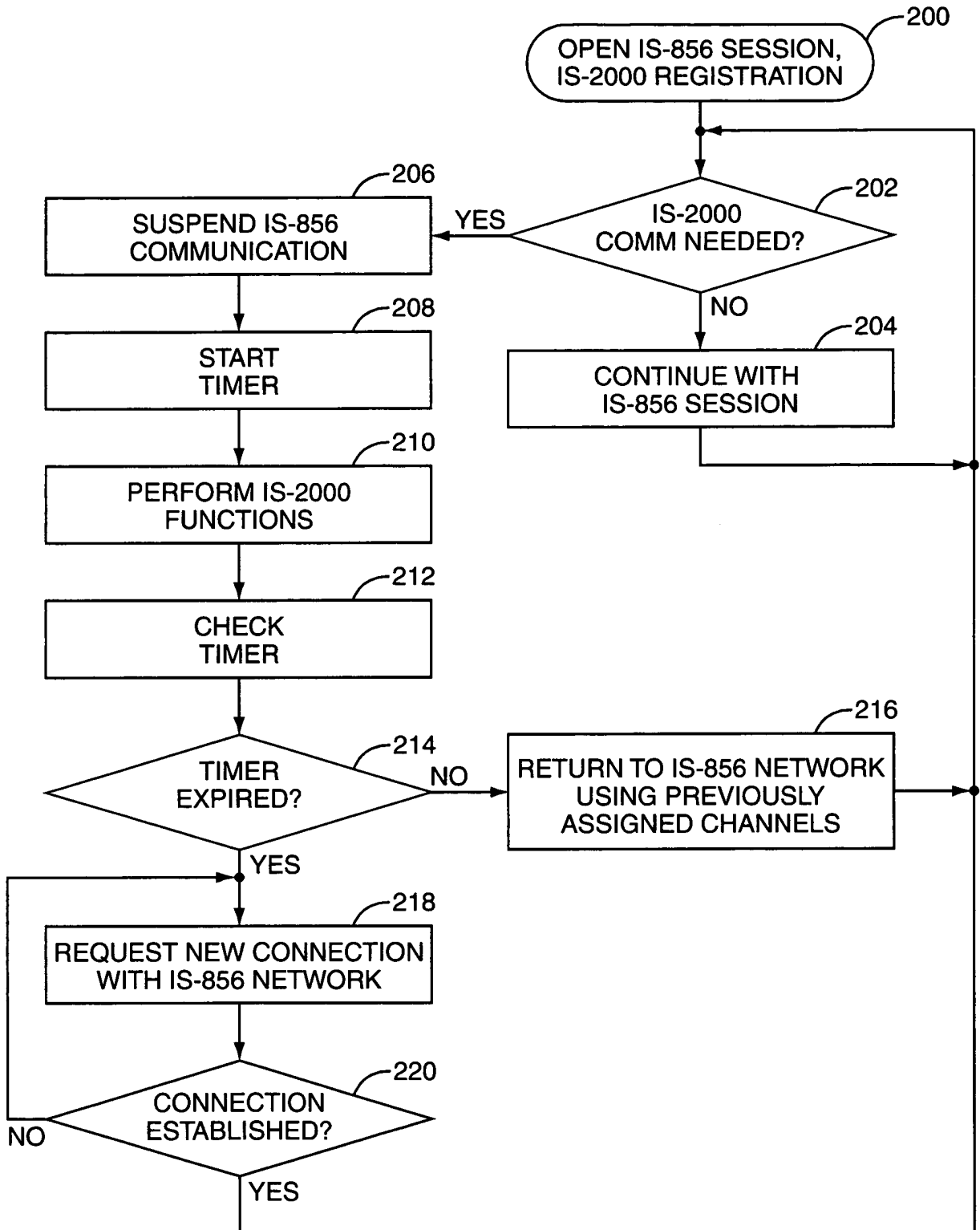


FIG. 5

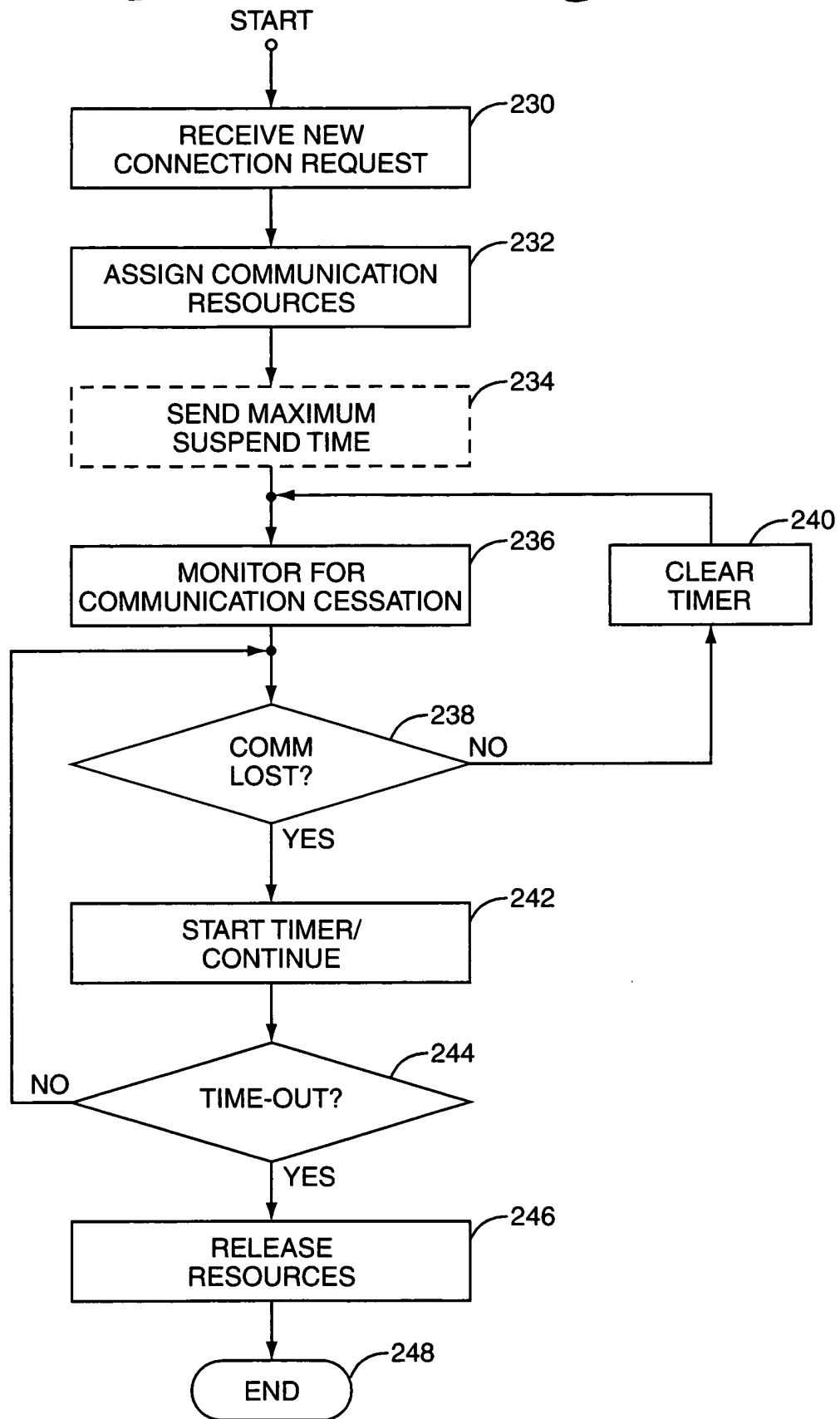


FIG. 6

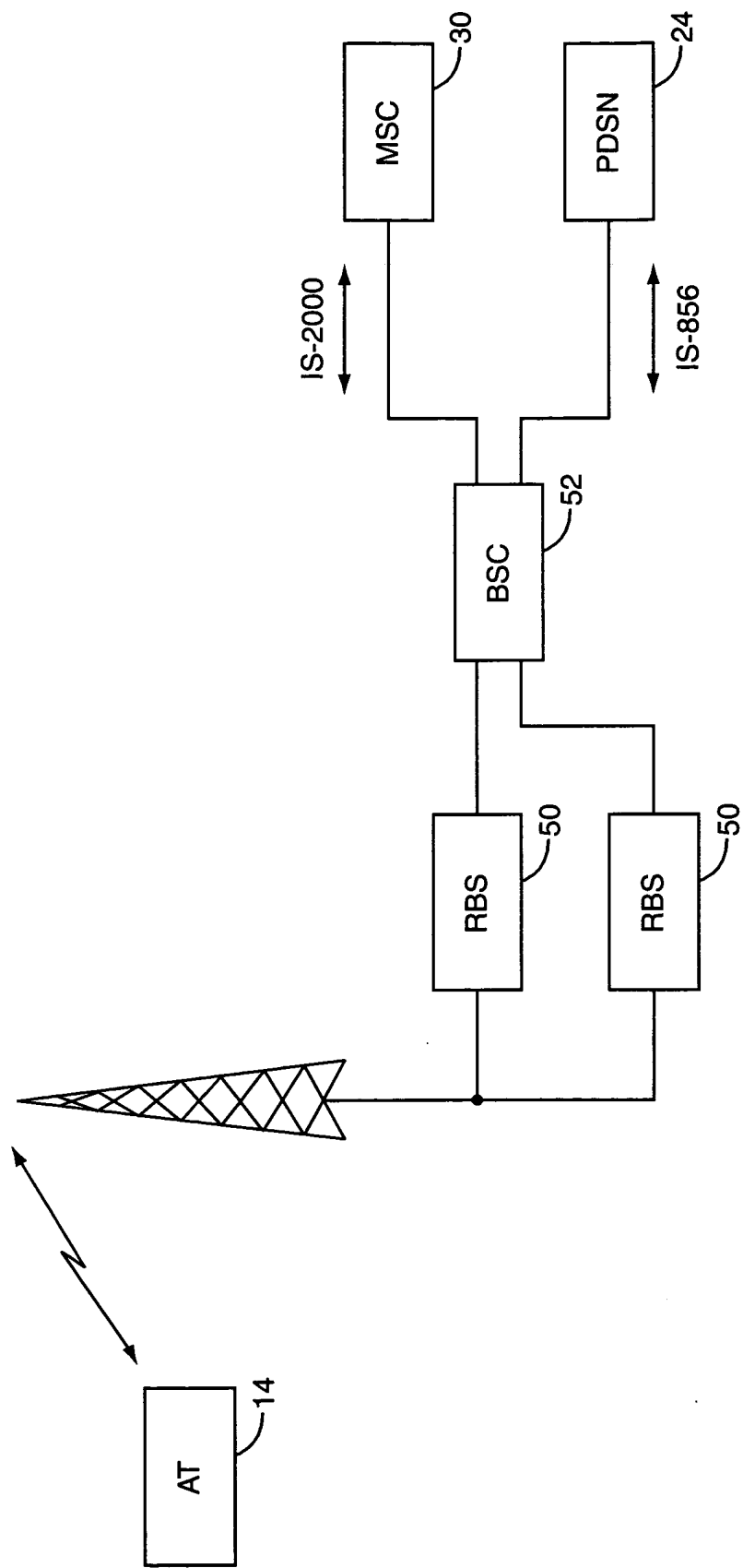


FIG. 7